

Claims

- [c1] 1. A cooling module of a computer system comprising:
a fan module with an air inlet and an air outlet, capable of drawing air into the air inlet and exhausting air from the air outlet;
a heat sink module with an air inlet, an air outlet, and a heat conduction part; the heat conduction part being between the air inlet and the air outlet, the air inlet connecting to the air outlet of the fan module, the heat conduction part connecting to a circuit of the computer system; the heat sink module capable of drawing air into the air inlet and through the heat conduction part and exhausting air from the air outlet; and
an air wall between the air inlet of the fan module and the air outlet of the heat sink module for isolating air-flow from the air outlet of the heat sink module to the air inlet of the fan module, so that heated air from the air outlet of the heat sink module is prevented from flowing into the air inlet of the fan module.
- [c2] 2. The cooling module of claim 1 wherein the air wall further comprises an approach; one end of the approach connecting to the air outlet of the fan module while an-

other end connects to the air inlet of the heat sink module.

- [c3] 3. The cooling module of claim 1 and claim 2 wherein the computer system and the cooling module are disposed within a case.
- [c4] 4. The cooling module of claim 3 further comprising: a brace in the case; the air wall being fixed to the brace.
- [c5] 5. The cooling module of claim 4 wherein a support device of the computer system is capable of being fixed to the brace.
- [c6] 6. The cooling module of claim 4 wherein the air wall comprises at least one connection end while the brace comprises a corresponding connection end; the connection end of the air wall capable of plugging into the connection end of the brace.
- [c7] 7. The cooling module of claim 3 wherein the air wall divides the case into a first room and a second room, so that the fan module draws air from the first room, and the heat sink module exhausts air into the second room.
- [c8] 8. The cooling module of claim 7 further comprising: a second fan module in the case for exhausting air provided by the second room to outside the case.

- [c9] 9. The cooling module of claim 1 wherein the heat conduction part is connected to a central processing unit of the computer system.
- [c10] 10. A computer system comprising:
a case;
a circuit for controlling operations of the computer system; and
a cooling module in the case comprising:
a fan module with an air inlet and an air outlet, capable of drawing air into the air inlet and exhausting air from the air outlet;
a heat sink module with an air inlet, an air outlet, and a heat conduction part; the heat conduction part being between the air inlet and the air outlet, the air inlet connecting to the air outlet of the fan module, the heat conduction part connecting to the circuit; the heat sink module capable of drawing air into the air inlet and through the heat conduction part and exhausting air from the air outlet; and
an air wall between the air inlet of the fan module and the air outlet of the heat sink module for isolating airflow from the air outlet of the heat sink module to the air inlet of the fan module, so that heated air from the air outlet of the heat sink module is prevented from flowing into the air inlet of the fan module.

- [c11] 11. The computer system of claim 10 wherein the air wall further comprises an approach; one end of the approach connecting to the air outlet of the fan module while another end connects to the air inlet of the heat sink module.
- [c12] 12. The computer system of claim 10 further comprising: a brace in the case; the air wall being fixed to the brace.
- [c13] 13. The computer system of claim 12 further comprising a support device fixed to the brace for supporting operations of the computer system.
- [c14] 14. The computer system of claim 12 wherein the air wall comprises at least one connection end while the brace comprises a corresponding connection end; the connection end of the air wall capable of plugging into the connection end of the brace.
- [c15] 15. The computer system of claim 10 wherein the air wall divides the case into a first room and a second room, so that the fan module draws air from the first room, and the heat sink module exhausts air into the second room.
- [c16] 16. The computer system of claim 15 further comprising: a second fan module in the case for exhausting air pro-

vided by the second room to outside the case.

[c17] 17. The computer system of claim 10 wherein the circuit is a central processing unit of the computer system.